

## EAST Search History

| Ref # | Hits | Search Query                       | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------------------------|------------------------------|------------------|---------|------------------|
| S2    | 10   | ((MASAYOSHI) near2 (KOYAMA)).INV.  | US-PGPUB;<br>USPAT;<br>USOCR | AND              | ON      | 2007/11/26 16:11 |
| S1    | 9    | ((YOSHITAKE) near2 (HAYASHI)).INV. | US-PGPUB;<br>USPAT;<br>USOCR | AND              | ON      | 2007/11/26 16:11 |
| S6    | 202  | ((SEIICHI) near2 (NAKATANI)).INV.  | US-PGPUB;<br>USPAT;<br>USOCR | AND              | ON      | 2007/11/26 16:12 |
| S5    | 15   | ((SUSUMU) near2 (MATSUOKA)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR | AND              | ON      | 2007/11/26 16:12 |
| S4    | 11   | ((KAZUO) near2 (OTANI)).INV.       | US-PGPUB;<br>USPAT;<br>USOCR | AND              | ON      | 2007/11/26 16:12 |
| S3    | 30   | ((SATORU) near2 (YUHAKU)).INV.     | US-PGPUB;<br>USPAT;<br>USOCR | AND              | ON      | 2007/11/26 16:12 |
| S8    | 277  | S1 S2 S3 S4 S5 S6 S7               | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/26 16:16 |
| S7    | 27   | ((YASUSHI) near2 (TANIGUCHI)).INV. | US-PGPUB;<br>USPAT;<br>USOCR | AND              | ON      | 2007/11/26 16:16 |

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|     |     |   |                              |     |    |                  |
|-----|-----|---|------------------------------|-----|----|------------------|
| S9  | 50  | (US-20020036054-\$ or US-20020109216-\$ or US-20020117743-\$ or US-20040088416-\$ or US-20040158980-\$ or US-20040160752-\$ or US-20040226744-\$ or US-20050006142-\$ or US-20050045369-\$ or US-20050168960-\$ or US-20050230848-\$ or US-20050252682-\$ or US-20060244119-\$ or US-20060258055-\$ or US-20070081312-\$ or US-20070119617-\$ or US-20070188998-\$).did. or (US-4764852-\$ or US-6067002-\$ or US-6153290-\$ or US-4571542-\$ or US-4908692-\$ or US-5311712-\$ or US-5709927-\$ or US-6038133-\$ or US-6179628-\$ or US-6262513-\$ or US-6338767-\$ or US-6462107-\$ or US-6465742-\$ or US-6625037-\$ or US-6734542-\$ or US-6939738-\$ or US-7068519-\$ or US-7091593-\$ or US-7180169-\$ or US-7198996-\$ or US-7248482-\$ or US-4359277-\$ or US-4520340-\$ or US-4620085-\$ or US-4767892-\$ or US-4956749-\$).did. or (US-4980933-\$ or US-5216396-\$ or US-5389011-\$ or US-5478401-\$ or US-5558074-\$ or US-5839910-\$ or US-6234599-\$).did. | US-PGPUB;<br>USPAT           | AND | ON | 2007/11/26 16:17 |
| S13 | 0   | ("2005/0124197").URPN.  | USPAT                        | AND | ON | 2007/11/26 16:36 |
| S12 | 2   | (((insulating or dielectric) adj (sheet or layer)) with (((via or through) adj hole))) (fill\$3 with (resin)) (component with cavity) (wiring adj pattern) (heat\$3 with press\$3)  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/26 16:38 |
| S14 | 6   | (((insulating or dielectric) adj (sheet or layer)) with ((cavity and (via or through) adj hole))) (fill\$3 with (resin)) (component) (wiring adj pattern) (heat\$3 with press\$3)   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/26 16:39 |
| S15 | 0   | ("2007/0119617").URPN.  | USPAT                        | AND | ON | 2007/11/26 17:10 |
| S16 | 243 | (inorganic adj filler) near ("weight%" or "%")  | USPAT                        | AND | ON | 2007/11/26 17:12 |

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|     |    |  |                              |     |    |                  |
|-----|----|--|------------------------------|-----|----|------------------|
| S18 | 2  | ((insulating or dielectric) adj (sheet or layer or substrate)) with ((inorganic adj filler) near ("weight%" or "%")) (protective adj (film or layer or sheet))   | USPAT                        | AND | ON | 2007/11/26 17:22 |
| S20 | 8  | (((insulating or dielectric) adj (sheet or layer)) with (((via or through) adj hole))) (fill\$3 with (resin)) (component) (wiring adj pattern) (heat\$3 with press\$3) (protective adj (film or layer or sheet)) cavity  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/26 17:24 |
| L5  | 17 | (US-20050124197-\$ or US-20040078969-\$ or US-20030026303-\$ or US-20040245614-\$ or US-20060237225-\$).did. or (US-6353189-\$ or US-7022276-\$ or US-6958535-\$ or US-6860004-\$ or US-6692818-\$ or US-6522555-\$ or US-7068519-\$ or US-6625037-\$ or US-6338767-\$ or US-6038133-\$ or US-6931725-\$ or US-6538210-\$).did.  | US-PGPUB;<br>USPAT           | AND | ON | 2007/11/27 07:21 |
| L6  | 43 | (((insulating or dielectric) adj (sheet or layer)) with (((via or through) adj hole))) (fill\$3 with (resin)) (component) (wiring adj pattern) (heat\$3 with press\$3) (protective adj (film or layer or sheet))   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 07:24 |
| L7  | 22 | (US-20050124197-\$ or US-20040078969-\$ or US-20030026303-\$ or US-20040245614-\$ or US-20060237225-\$ or US-20030090883-\$ or US-20030203171-\$ or US-20040041243-\$ or US-20030110630-\$).did. or (US-6353189-\$ or US-7022276-\$ or US-6958535-\$ or US-6860004-\$ or US-6692818-\$ or US-6522555-\$ or US-7068519-\$ or US-6625037-\$ or US-6338767-\$ or US-6038133-\$ or US-6931725-\$ or US-6538210-\$ or US-5888627-\$).did. | US-PGPUB;<br>USPAT           | AND | ON | 2007/11/27 08:07 |
| L9  | 6  | 7 cavity   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 08:08 |

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|     |      |  |                              |     |    |                  |
|-----|------|--|------------------------------|-----|----|------------------|
| L8  | 0    | 7 (cavity near component)  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 08:08 |
| S10 | 1    | ((insulating or dielectric) adj (sheet or layer)) with (cavity and ((via or through) adj hole))) (fill\$3 with (resin)) (component with cavity) (wiring adj pattern) (heat\$3 with press\$3) | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 08:10 |
| L10 | 533  | ((insulating or dielectric) adj (sheet or layer)) with (cavity)) (component with cavity)   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 08:10 |
| L11 | 7    | ((insulating or dielectric) adj (sheet or layer)) near (cavity)) (component near cavity)   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 08:11 |
| S17 | 15   | ((insulating or dielectric) adj (sheet or layer or substrate)) with ((inorganic adj filler) near ("weight%" or "%"))   | USPAT                        | AND | ON | 2007/11/27 09:37 |
| L13 | 5    | ((insulating or dielectric) adj (sheet or layer or substrate)) with ((inorganic adj filler) near ("weight%" or "%")) (resin near ("weight%" or "%"))   | USPAT                        | AND | ON | 2007/11/27 09:38 |
| L12 | 0    | ((insulating or dielectric) adj (sheet or layer or substrate)) with ((inorganic adj filler) near ("weight%" or "%")) (uncured near ("weight%" or "%"))                                       | USPAT                        | AND | ON | 2007/11/27 09:38 |
| L14 | 3825 | 174/255,253,256,258-260,262, 264.cor. 361/760-762.cor. 29/852. cor.  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON | 2007/11/27 10:57 |
| S11 | 172  | ((insulating or dielectric) adj (sheet or layer)) with (((via or through) adj hole))) (fill\$3 with (resin)) (component) (wiring adj pattern) (heat\$3 with press\$3)                        | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 10:58 |
| L16 | 31   | 14 L15   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 10:58 |
| L15 | 172  | ((insulating or dielectric) adj (sheet or layer)) with (((via or through) adj hole))) (fill\$3 with (resin)) (component) (wiring adj pattern) (heat\$3 with press\$3)                        | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2007/11/27 10:58 |

## EAST Search History

|     |    |   |                    |     |    |                  |
|-----|----|---|--------------------|-----|----|------------------|
| L17 | 19 | (US-20050124197-\$ or<br>US-20040078969-\$ or<br>US-20030026303-\$ or<br>US-20040245614-\$ or<br>US-20060237225-\$ or<br>US-20030090883-\$ or<br>US-20030203171-\$ or<br>US-20040041243-\$ or<br>US-20030110630-\$ or<br>US-20030085058-\$).did. or<br>(US-6353189-\$ or US-7022276-\$<br>or US-6860004-\$ or US-7068519-\$<br>or US-6038133-\$ or US-6931725-\$<br>or US-5888627-\$ or US-6732428-\$<br>or US-6774316-\$).did. | US-PGPUB;<br>USPAT | AND | ON | 2007/11/27 11:04 |
|-----|----|---|--------------------|-----|----|------------------|